

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (original) An analysis method for coenzyme Q-10 and a 2-electron reduced form thereof which quantifies coenzyme Q-10 and a 2-electron reduced form thereof comprised in a specimen, characterized in that

the specimen comprising at least one of the coenzyme Q-10 and the 2-electron reduced form thereof is extracted with a water-soluble organic solvent as a pretreatment and

extracted liquid as an analytical sample is analyzed.

2. (original) An analysis method for coenzyme Q-10 and a 2-electron reduced form thereof which quantifies coenzyme Q-10 and a 2-electron reduced form thereof comprised in a specimen, characterized in that

the specimen comprising at least one of the coenzyme Q-10 and the 2-electron reduced form thereof is extracted with a water-soluble organic solvent comprising isopropyl alcohol as a pretreatment and

extracted liquid as an analytical sample is analyzed.

3. (currently amended) An analysis method for coenzyme Q-10 and a 2-electron reduced form thereof which quantifies coenzyme Q-10 and a 2-electron reduced form thereof comprised in a specimen according to claim 1, further characterized in that

~~the specimen comprising at least one of the coenzyme Q-10 and the 2-electron reduced form thereof is extracted with a water-soluble organic solvent as a pretreatment,~~

~~extracted liquid as an analytical sample is analyzed, and~~

the extracted liquid is stored at a temperature within a range of a melting point of the extracted liquid through room temperature until the extracted liquid is analyzed.

4. (currently amended) An analysis method for coenzyme Q-10 and a 2-electron reduced form thereof which quantifies coenzyme Q-10 and a 2-electron reduced form thereof comprised in a specimen according to claim 2, further characterized in that

~~the specimen comprising at least one of the coenzyme Q-10 and the 2-electron reduced form thereof is extracted with a water-soluble organic solvent comprising isopropyl alcohol as a pretreatment,~~

~~extracted liquid as an analytical sample is analyzed, and~~

the extracted liquid is stored at a temperature within a range of a melting point of the extracted liquid through room temperature until the extracted liquid is analyzed.

5. (currently amended) An analysis method for coenzyme Q-10 and a 2-electron reduced form thereof which quantifies coenzyme Q-10 and a 2-electron reduced form thereof comprised in a specimen according to claim 1, further characterized in that

~~the specimen comprising at least one of the coenzyme Q-10 and the 2-electron reduced form thereof is extracted with a water-soluble organic solvent as a pretreatment,~~

~~extracted liquid as an analytical sample is analyzed, and~~

a preparatory treatment for condensing the analytical sample according to a column switching method is performed.

6. (currently amended) An analysis method for coenzyme Q-10 and a 2-electron reduced form thereof which quantifies coenzyme Q-10 and a 2-electron reduced form thereof comprised in a specimen according to claim 2, further characterized in that

~~the specimen comprising at least one of the coenzyme Q-10 and the 2-electron reduced form thereof is extracted with a water-soluble organic solvent comprising isopropyl alcohol as a pretreatment,~~

~~extracted liquid as an analytical sample is analyzed, and~~

a preparatory treatment for condensing the analytical sample according to a column switching method is performed.

7. (currently amended) An analysis method for coenzyme Q-10 and a 2-electron reduced form thereof which quantifies coenzyme Q-10

and a 2-electron reduced form thereof comprised in a specimen
according to claim 1, further characterized in that

~~the specimen comprising at least one of the coenzyme Q-10
and the 2-electron reduced form thereof is extracted with a
water-soluble organic solvent as a pretreatment,~~

~~extracted liquid as an analytical sample is analyzed,~~

the extracted liquid is stored at a temperature within
a range of a melting point of the extracted liquid through room
temperature until the extracted liquid is analyzed, and

a preparatory treatment for condensing the analytical
sample according to a column switching method is performed.

8. (currently amended) An analysis method for coenzyme Q-10 and
a 2-electron reduced form thereof which quantifies coenzyme Q-10
and a 2-electron reduced form thereof comprised in a specimen
according to claim 2, further characterized in that

~~the specimen comprising at least one of the coenzyme Q-10
and the 2-electron reduced form thereof is extracted with a
water-soluble organic solvent comprising isopropyl alcohol as a
pretreatment,~~

~~extracted liquid as an analytical sample is analyzed,~~

the extracted liquid is stored at a temperature within a
range of a melting point of the extracted liquid through room
temperature until the extracted liquid is analyzed, and

a preparatory treatment for condensing the analytical sample

according to a column switching method is performed.

9. (currently amended) An analysis method for coenzyme Q-10 and a 2-electron reduced form thereof which quantifies coenzyme Q-10 and a 2-electron reduced form thereof comprised in a specimen according to claim 1, further characterized in that

~~the specimen comprising at least one of the coenzyme Q-10 and the 2-electron reduced form thereof is extracted with a water-soluble organic solvent as a pretreatment,~~

~~extracted liquid as an analytical sample is analyzed,~~

extracted liquid from a specimen comprising both the coenzyme Q-10 and the 2-electron reduced form thereof is the analytical sample, and

the coenzyme Q-10 and the 2-electron reduced form thereof are separated by a column, further subjected to reduction treatment, and subsequently detected by a detector.

10. (currently amended) An analysis method for coenzyme Q-10 and a 2-electron reduced form thereof which quantifies coenzyme Q-10 and a 2-electron reduced form thereof comprised in a specimen according to claim 2, further characterized in that

~~the specimen comprising at least one of the coenzyme Q-10 and the 2-electron reduced form thereof is extracted with a water-soluble organic solvent comprising isopropyl alcohol as a pretreatment,~~

~~extracted liquid as an analytical sample is analyzed,~~

extracted liquid from a specimen comprising both the coenzyme Q-10 and the 2-electron reduced form thereof is the analytical sample, and

the coenzyme Q-10 and the 2-electron reduced form thereof are separated by a column, further subjected to reduction treatment, and subsequently detected by a detector.

11. (currently amended) An analysis method for coenzyme Q-10 and a 2-electron reduced form thereof which quantifies coenzyme Q-10 and a 2-electron reduced form thereof comprised in a specimen according to claim 1, further characterized in that

~~the specimen comprising at least one of the coenzyme Q-10 and the 2-electron reduced form thereof is extracted with a water-soluble organic solvent as a pretreatment,~~

~~extracted liquid as an analytical sample is analyzed,~~

the extracted liquid is stored at a temperature within a range of a melting point of the extracted liquid through room temperature until the extracted liquid is analyzed,

extracted liquid from a specimen comprising both the coenzyme Q-10 and the 2-electron reduced form thereof is the analytical sample, and

the coenzyme Q-10 and the 2-electron reduced form thereof are separated by a column, further subjected to reduction treatment, and subsequently detected by a detector.

12. (currently amended) An analysis method for coenzyme Q-10 and a 2-electron reduced form thereof which quantifies coenzyme Q-10 and a 2-electron reduced form thereof comprised in a specimen according to claim 2, further characterized in that

~~the specimen comprising at least one of the coenzyme Q-10 and the 2-electron reduced form thereof is extracted with a water-soluble organic solvent comprising isopropyl alcohol as a pretreatment,~~

~~extracted liquid as an analytical sample is analyzed,~~

the extracted liquid is stored at a temperature within a range of a melting point of the extracted liquid through room temperature until the extracted liquid is analyzed,

extracted liquid from a specimen comprising both the coenzyme Q-10 and the 2-electron reduced form thereof is the analytical sample, and

the coenzyme Q-10 and the 2-electron reduced form thereof are separated by a column, further subjected to reduction treatment, and subsequently detected by a detector.

13. An analysis method for coenzyme Q-10 and a 2-electron reduced form thereof which quantifies coenzyme Q-10 and a 2-electron reduced form thereof comprised in a specimen according to claim 1, further characterized in that

~~the specimen comprising at least one of the coenzyme Q-10~~

~~and the 2-electron reduced form thereof is extracted with a water-soluble organic solvent as a pretreatment,~~

~~extracted liquid as an analytical sample is analyzed,~~

a preparatory treatment for condensing the analytical sample according to a column switching method is performed,

extracted liquid from a specimen comprising both the coenzyme Q-10 and the 2-electron reduced form thereof is the analytical sample, and

the coenzyme Q-10 and the 2-electron reduced form thereof are separated by a column, further subjected to reduction treatment, and subsequently detected by a detector.

14. (currently amended) An analysis method for coenzyme Q-10 and a 2-electron reduced form thereof which quantifies coenzyme Q-10 and a 2-electron reduced form thereof comprised in a specimen according to claim 2, further characterized in that

~~the specimen comprising at least one of the coenzyme Q-10 and the 2-electron reduced form thereof is extracted with a water-soluble organic solvent comprising isopropyl alcohol as a pretreatment,~~

~~extracted liquid as an analytical sample is analyzed,~~

a preparatory treatment for condensing the analytical sample according to a column switching method is performed,

extracted liquid from a specimen comprising both the coenzyme Q-10 and the 2-electron reduced form thereof is the

analytical sample, and

the coenzyme Q-10 and the 2-electron reduced form thereof are separated by a column, further subjected to reduction treatment, and subsequently detected by a detector.

15. (currently amended) An analysis method for coenzyme Q-10 and a 2-electron reduced form thereof which quantifies coenzyme Q-10 and a 2-electron reduced form thereof comprised in a specimen according to claim 1, further characterized in that

~~the specimen comprising at least one of the coenzyme Q-10 and the 2-electron reduced form thereof is extracted with a water-soluble organic solvent as a pretreatment,~~

~~extracted liquid as an analytical sample is analyzed,~~

the extracted liquid is stored at a temperature within a range of a melting point of the extracted liquid through room temperature until the extracted liquid is analyzed,

a preparatory treatment for condensing the analytical sample according to a column switching method is performed,

extracted liquid from a specimen comprising both the coenzyme Q-10 and the 2-electron reduced form thereof is the analytical sample, and

the coenzyme Q-10 and the 2-electron reduced form thereof are separated by a column, further subjected to reduction treatment, and subsequently detected by a detector.

16. (currently amended) An analysis method for coenzyme Q-10 and a 2-electron reduced form thereof which quantifies coenzyme Q-10 and a 2-electron reduced form thereof comprised in a specimen according to claim 2 , further characterized in that

~~the specimen comprising at least one of the coenzyme Q-10 and the 2-electron reduced form thereof is extracted with a water-soluble organic solvent comprising isopropyl alcohol as a pretreatment,~~

~~extracted liquid as an analytical sample is analyzed,~~

the extracted liquid is stored at a temperature within a range of a melting point of the extracted liquid through room temperature until the extracted liquid is analyzed,

a preparatory treatment for condensing the analytical sample according to a column switching method is performed,

extracted liquid from a specimen comprising both the coenzyme Q-10 and the 2-electron reduced form thereof is the analytical sample, and

the coenzyme Q-10 and the 2-electron reduced form thereof are separated by a column, further subjected to reduction treatment, and subsequently detected by a detector.

17. (original) An analysis system used for analysis of coenzyme Q-10 and a 2-electron reduced form thereof, comprising

a liquid-sending mechanism comprising a first series for liquid-sending an analytical sample with a first mobile phase and

a second series for liquid-sending only a second mobile phase,
a switching mechanism for switching liquid-sending routes
for the mobile phases of the two series of the liquid-sending
mechanism,

a condensation column for receiving the second mobile phase
after the mobile phase of the first series is received so as to
condense the analytical sample,

a separation column for receiving and separating liquid sent
from the condensation column,

a reduction column for receiving and reducing liquid sent
from the separation column, and

an electrochemical detector for detection-processing liquid
sent from the reduction column.

18. (currently amended) An analysis system used for analysis of
coenzyme Q-10 and a 2-electron reduced form thereof according to
claim 17, comprising

~~a liquid-sending mechanism comprising a first series for
liquid-sending an analytical sample with a first mobile phase and
a second series for liquid-sending only a second mobile phase,~~

~~a switching mechanism for switching liquid-sending routes
for the mobile phases of the two series of the liquid-sending
mechanism,~~

~~a condensation column for receiving the second mobile phase
after the mobile phase of the first series is received so as to~~

~~condense the analytical sample,~~

~~a separation column for receiving and separating liquid sent
from the condensation column,~~

~~a reduction column for receiving and reducing liquid sent
from the separation column, and~~

~~an electrochemical detector for detection-processing liquid
sent from the reduction column, and~~

further comprising an ultraviolet absorption detector
as a detector.